

Tanzania - Mafia Island Airport

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Overview

Identification

COUNTRY

Tanzania

EVALUATION TITLE

Mafia Island Airport

EVALUATION TYPE

Independent Performance Evaluation

ID NUMBER

DDI-MCC-TZA-IE-TRANS-2014-v01

Version

VERSION DESCRIPTION

Anonymized dataset for public distribution

Overview

ABSTRACT

The evaluation design and subsequent data gathering activities will address the following key research questions:

- a) Has the Mafia Island Airport Upgrade Project contributed to easier, more efficient, and safer access to Mafia Island?
- b) Has the Mafia Island Airport Upgrade project contributed to an increase in (i) tourism and/or (ii) business travel?
- c) Has the Mafia Island Airport Upgrade project contributed to an increase in visitor spending on the island?
- d) Has the Mafia Island Airport Upgrade project contributed to an increase in economic and investment activities on the island? (Hotel, wildlife refuge, food industry, etc.)

These are the thematic areas or critical issues for the evaluation. Linkage with the Project Logic will be as follows:

- Outcome indicators in the Project Logic will be addressed in evaluation question (b) above.
- Objective indicators in the Project Logic will be addressed in evaluation questions (c) and (d) above.
- The Compact Goal indicator will be part of the evaluation indicators of the project.
- The Consultant will also measure the Compact Goal using ownership of assets and food poverty as proxy of poverty indicators at micro level because they are used by the National Bureau of Statistics (NBS) in Household Budget Survey and Tanzania Poverty Monitoring Framework.

EVALUATION METHODOLOGY

Pre-Post

UNITS OF ANALYSIS

Community, hotels, households, visitors

KIND OF DATA

Sample survey data [ssd]

KEYWORDS

Performance evaluation, Mafia Island, Airport, Transport

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Abel Busalama	Independent Evaluator

FUNDING

Name	Abbreviation	Role
Millennium Challenge Corporation	MCC	

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Millennium Challenge Corporation	MCC		Review of Metadata

DATE OF METADATA PRODUCTION

2014-04

DDI DOCUMENT VERSION

Version 1 (April 2014)

DDI DOCUMENT ID

DDI-MCC-TZA-IE-TRANS-2014-v01

MCC Compact and Program

COMPACT OR THRESHOLD

Tanzania

PROGRAM

The Government of the United States of America acting through the Millennium Challenge Corporation (MCC) and the Government of Tanzania (GoT) acting through the Ministry of Finance have entered into a Millennium Challenge Compact for Millennium Challenge Account Tanzania (MCA-T) assistance to help facilitate poverty reduction through economic growth in Tanzania. The consultative process for the Program was informed by, and anchored in, the consultative process conducted in connection with the Government's National Strategy for Growth and Reduction of Poverty (NSGRP) which was finalized in 2005 (commonly referred to by the Swahili acronyms "MKUKUTA" and "MKUZA," for the mainland and Zanzibar, respectively). The Compact is to be implemented over a period of five (5) years. Guided by MKUKUTA/MKUZA priorities, the Compact establishment process identified an inadequate transportation network, an insufficient and unreliable supply of energy, and a shortage of potable water as three key constraints to economic growth and private investment in Tanzania. The Millennium Challenge Compact Program is designed specifically to address each of these constraints. The Compact aims at reducing poverty through the implementation of a program consisting of three projects, namely transport, energy and water projects. Each project contains a number of activities and sub-activities. Upgrading of Mafia Island Airport is one of the sub-projects (components) under MCA-T's Transport Sector Project. The sub-project is geared to addressing the existing problem of access to the island as a result of poor condition of its airport and lack of feasible alternative transport options. Specifically, the sub-project will: 1. Refurbish the runway, apron and taxiway; establish boundary security; refurbish the fire station, terminal building and its water supply; and install communication equipment; 2. Conduct additional environmental assessments, together with any resulting Resettlement Action Plans (RAPs) consistent with the World Bank Operational Policy and Environmental Management Plans (EMPs) each as needed and as satisfactory to MCC; 3. Build the capacity at the Tanzania Airports Authority (TAA) – This includes improvements in strategic maintenance planning and management of routine and periodic maintenance contracts; 4. Co-ordinate and supervise the construction works.

MCC SECTOR

Transport (Trans)

PROGRAM LOGIC

Resurfacing of the airport's runway and improving other airport facilities is expected to allow for easier, more efficient, and

safer access to the island, resulting in increased tourist and business travel to and from the mainland and additional job to the island. This is intended to translate into more dollars spent in the local economy for tourism-related businesses. The evaluation will measure the following outcome, objective and impact indicators as outlined in the Project Logic prepared by MCA-T: (a) Outcome: Increase in travel through Mafia Airport: i) Total annual passengers arrivals - # (Dry season) ii) Total annual Passengers arrivals - # (Wet season) (b) Objectives: Increase in investment and economic activities: i) Annual aggregate visitor spending - dry season (\$) ii) Annual aggregate visitor spending - wet season (\$) iii) Percentage of household¹ with Income Generating Activity (IGA)² - % iv) Number of stand-alone businesses³ (#) (c) Compact Goal: Poverty reduction and economic growth i) Average annual household income per capita (\$)

Sampling

Sampling Procedure

The sampling strategy comprised of 100% coverage or census for Hotel Manager Survey because all hotels and guest houses that receive tourists in the Island were interviewed. There was also 100% coverage or census for the Village Leader Survey (Listing) because the Consultant walked thoroughly through each village and sub-village covering all households. All exit passengers were also interviewed during the two data collection months. With regard to the Hotel Guest Survey, all guests found at the hotels were interviewed.

Sampling was only applied for selection of Focus Group Discussions (FGDs) participants who were also respondents for Individual Interviews. Purposive random sampling was used. Participants were randomly selected in collaboration with village and sub-villages leaders ensuring that participants come from all areas including both men and women. Other selection factors included being of the working age (18 to 60 years) with good mental health. The sample size for the Individual Interviews survey was small - covering all FGD participants - because the ToR required small data collection effort due to lack of a counterfactual.

Questionnaires

Overview

(a) Administrative Data

Administrative data will be obtained from TAA, TCAA, MIMP, Mafia District Council, Ministry of Livestock and Fisheries Development (MLFD) and Fish Processors in Mafia. Since each of these stakeholders will provide very specific data/information, there will be full coverage (without sampling).

(b) Hotel Survey Data

There are about seventeen (17) tourist hotels in Mafia. Since they are few, all will be covered by the evaluation during the baseline and the follow-up. If any new hotels will be opened during the evaluation period, they will be added in the follow up.

(c) Hotel Guest Survey Data

Due to lack of a counterfactual, about 10% of guest of the hotel covered during the survey will be interviewed. Most hotels in Mafia are small size with less than fifty rooms. Assuming coverage of about twenty hotels, the sample size will be about 100 hotel guests.

(d) Passenger exit survey Data

The largest aircraft currently flying to Mafia is C208 with an average occupancy of 6.98 passengers. Data from TAA indicate that the average number of aircraft that landed at Mafia airport in 2011 was 116 per month. Therefore, the population of passenger arrivals per month is estimated at 348. While aircraft manifest could be used as sampling frame, most of the passengers are normally in rush such that orderly selection from the manifest (which normally come with the plane) will create delays and missing the respondents because most are not ready to wait and consider giving interview as a favour. To solve the above problem, questionnaires will be given to all passengers when boarding in Mafia. Therefore, both men and women passengers will be given the questionnaire. Therefore, there will be full coverage of all passengers that will travel by air from Mafia during the two weeks data collection effort of each round (baseline, interim and follow-up) and phases (wet and dry season). However, the consultant is not expecting all passengers to accept the questionnaire.

(e) Households and Businesses Data

This data will be collected from Mafia District Council and village leaders. Administratively, Mafia district is divided into 2 Divisions, 7 Wards, 20 Registered Villages (Table 5) and 132 sub- villages as shown in Figure 4. The Mafia Airport Upgrade Project is expected to affect households and businesses in Kilindoni where the Mafia District Headquarters and the airport are located. Households and businesses at Utende and Chole villages where most of the tourist hotels are located will also be affected by the project. Therefore, considering the small number of villages that are likely to be affected, leaders of all sub-villages of Kilindoni, Utende and Chole villages will be covered, about 18 sub-villages⁹.

(e) Community Data

The small data collection effort of community data will be conducted at the three villages of Kilindoni, Utende and Chole. Two FGDs will be conducted – one for male and another for female informants. The aim is to get gender disaggregated perceptions, opinions, beliefs, and attitudes towards the project. Therefore, a total of six FGDs will be conducted.

Data Collection

Data Collection Dates

Start	End	Cycle
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Data Processing

No content available

Data Appraisal

No content available